

SWP Water Quality Summary

June 18 to 25, 2008

Total Dissolved Solids: TDS decreased at Banks Pumping Plant (BPP), Check 29, Check 41 and Vallecitos, but increased at Devil Canyon. Concentrations ranged from 165 mg/L to 370 mg/L (279 uS/cm to 640 uS/cm) and remained below the Article 19 Monthly Average Objective of 440 mg/L (733 uS/cm). As of June 25, 2008, the highest concentration of 309 mg/L (535 uS/cm) occurred at Check 29 while the lowest concentration of 272 mg/L (481 uS/cm) occurred at Devil Canyon. Concentrations decreased this week at BPP from 336 mg/L to 284 mg/L (593 uS/cm to 501 uS/cm), probably due to reduced flows at Vernalis and increased flow of Sacramento River.

Bromide: Concentrations remain above the California Bay Delta Authority (CBDA) Objective of 0.05 mg/L project wide, ranging from 0.09 mg/L to 0.36 mg/L. As of June 25, Check 41 and Devil Canyon had the lowest concentration of 0.22 mg/L, followed by BPP and Vallecitos with 0.24 mg/L while the highest concentration of 0.26 mg/L occurred at Check 29. Concentration at BPP decreased from 0.31 mg/L to 0.24 mg/L this week.

Turbidity: Turbidity levels increased from 10 to 16 NTU at BPP, 5 to 6 NTU at Check 41, and 14 to 15 NTU at Vallecitos, but decreased from 2 to 1 NTU at Devil Canyon, as of June 25, 2008.

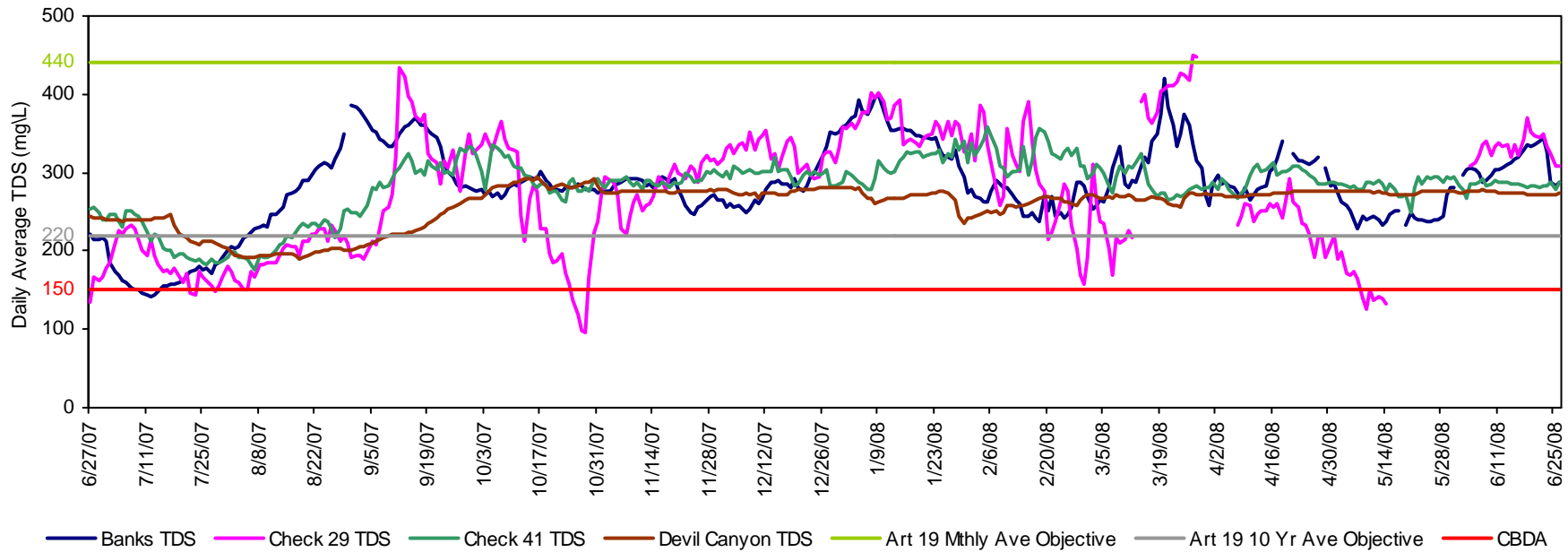
Dissolved Organic Carbon: Concentrations at Check 13 increased slightly from 2.4 mg/L to 2.5 mg/L while at Edmonston, concentrations decreased from 2.0 mg/L to 1.7 mg/L, as of June 25, 2008. There is no data for BPP due to a malfunctioning UVA meter.

Taste and Odor Compounds: MIB and geosmin were low to moderate at the delta and South Bay Aqueduct, ranging from 1 ng/L to 8 ng/L at Clifton Court, BPP and Del Valle Check 7. However, MIB and geosmin varied highly in California Aqueduct, ranging from 2 ng/L to 16 ng/L at Check 41, and Check 66 as of June 23, 2008. Also, geosmin concentrations from three depths (1, 8 and 20 ft) in Castaic Lake, ranged from 3 ng/L to 28 ng/L as of June 16, 2008.

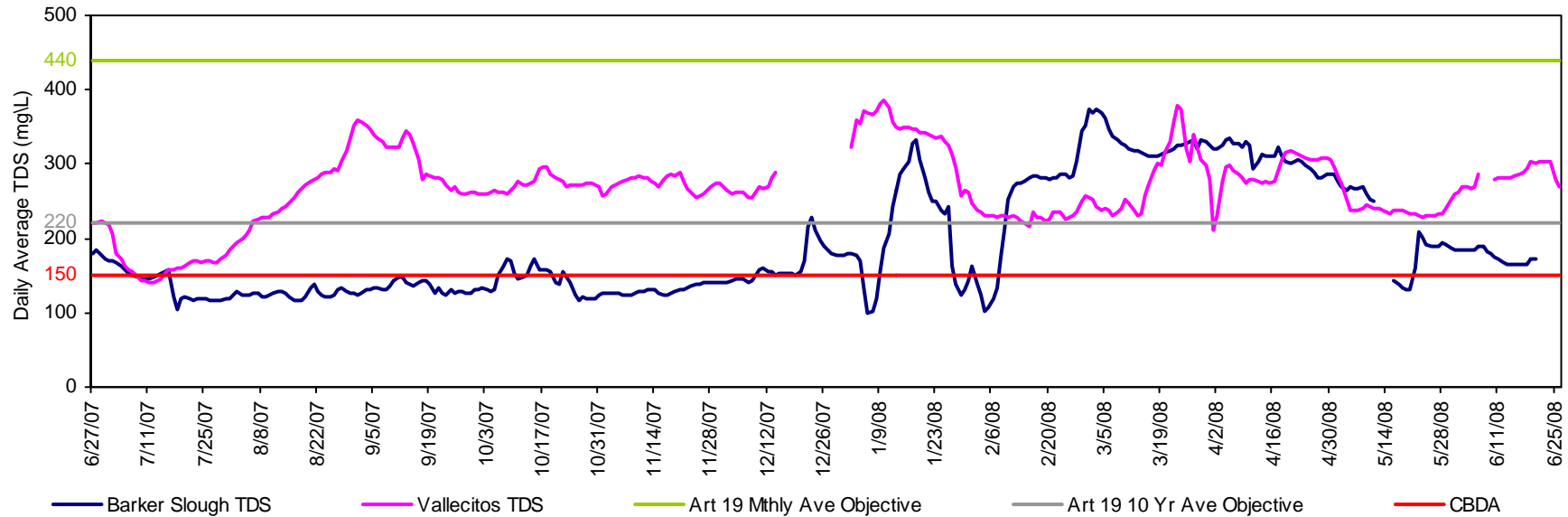
Note:

The intent of the weekly water quality (WQ) summary is to acquaint contractors, scientist and interested parties with the status of water quality in the State Water Project (SWP). Your comments, questions and suggestions are welcome and can be directed to Austine Eke @ 916-653-7227 or Cindy Garcia @ 916-653-7213. To view WQ data from any of the 15 automated stations along the SWP, visit: <http://www.womwq.water.ca.gov> and click the "Autostation Data" link on the left side navigation bar.

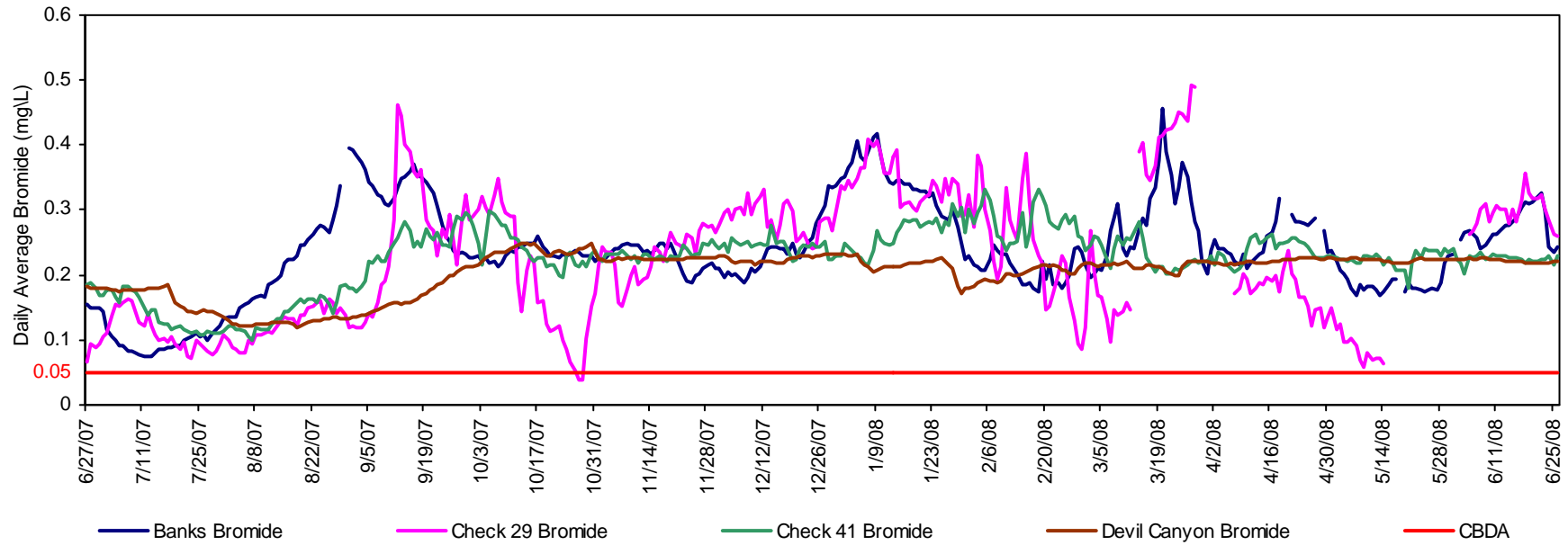
California Aqueduct - Calculated Total Dissolved Solids



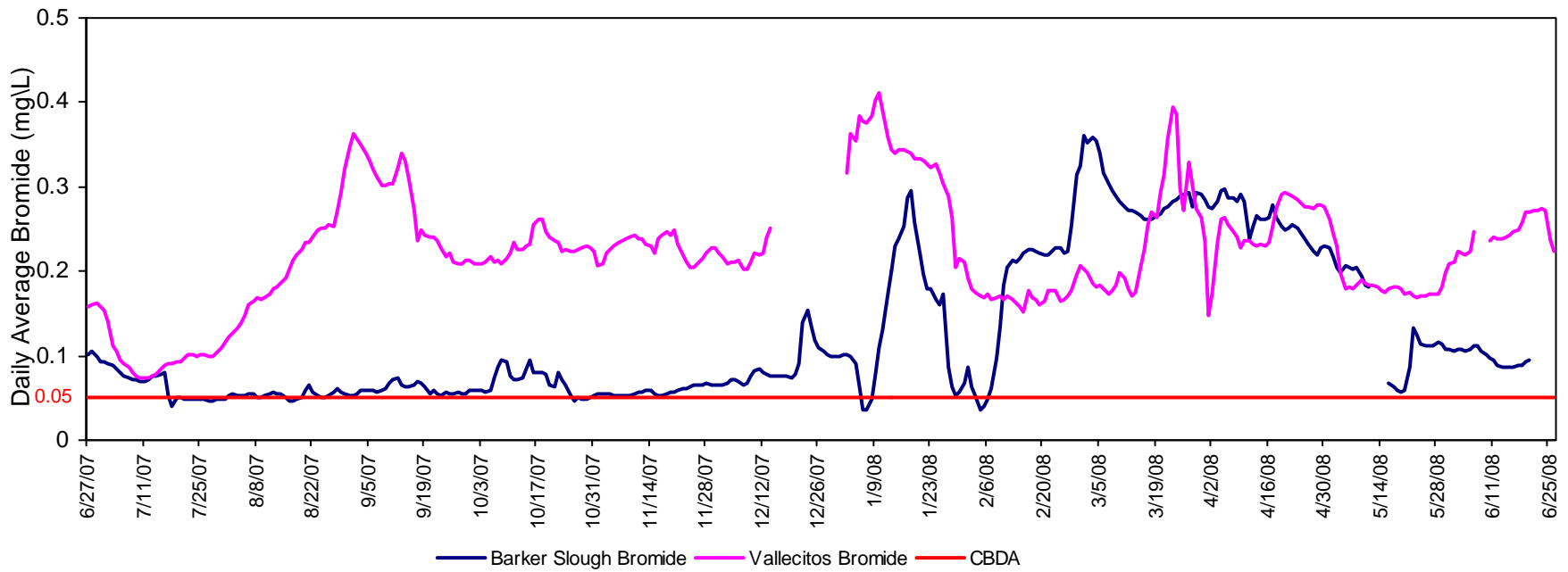
North and South Bay Aqueduct - Calculated Total Dissolved Solids



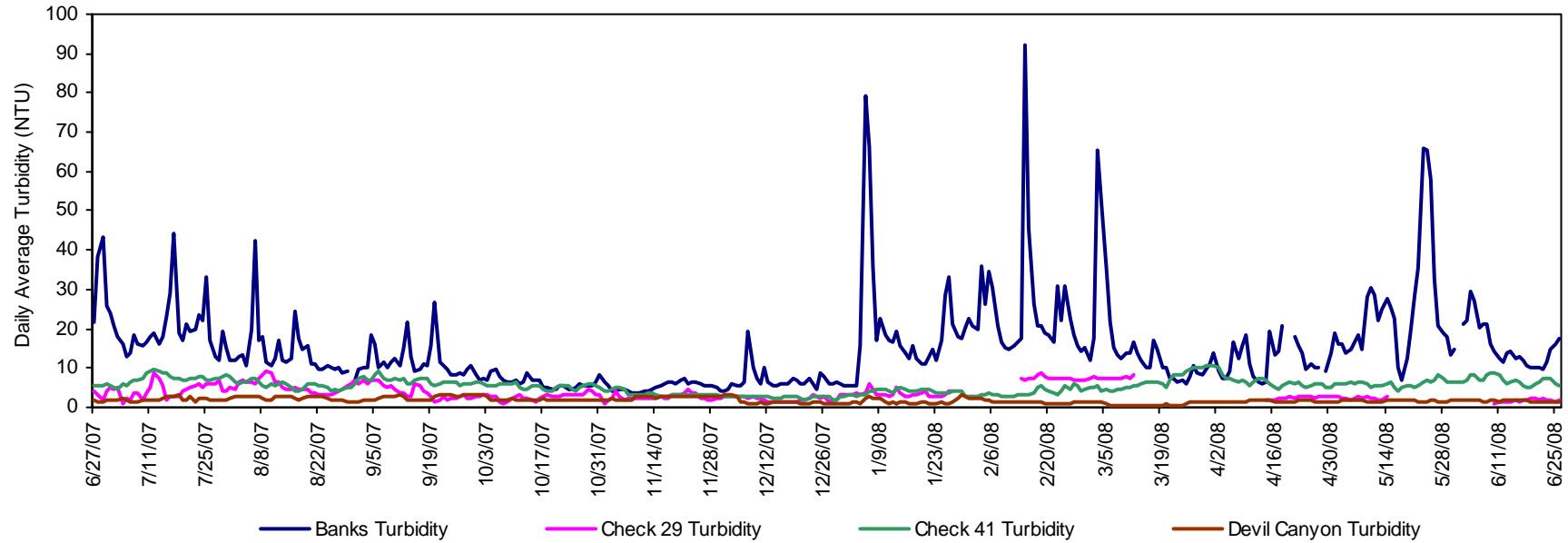
California Aqueduct - Calculated Bromide



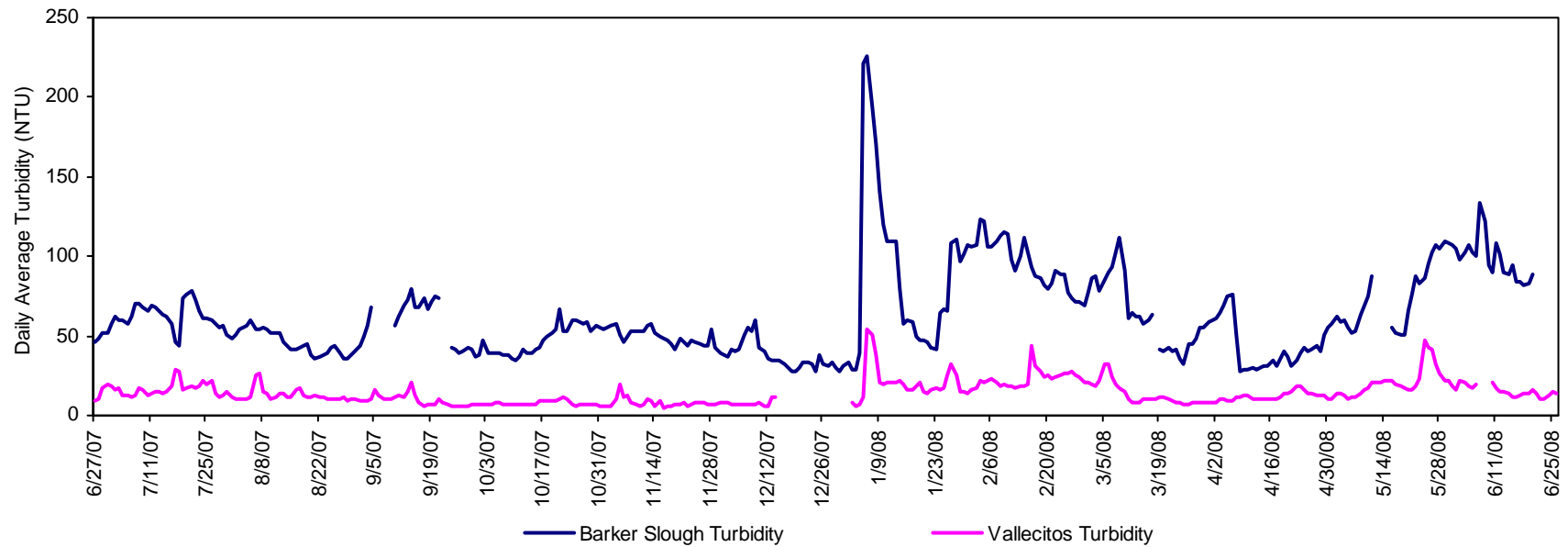
North and South Bay Aqueduct - Calculated Bromide



California Aqueduct - Turbidity



North and South Bay Aqueduct - Turbidity



California Aqueduct Calculated Dissolved Organic Carbon

